

Bilateral: ENVIRONMENTAL PROTECTION

Joint Committee Chairmen

US Train, Russell
Chairman and Coordinator, EPA

DOI: 12/12/74

USSR Izrael, Yu. A.
Chairman and Coordinator

DOI: 12/12/74

AREA I -- PREVENTION OF AIR POLLUTION

1. Air Pollution Modeling, Instrumentation and Measurement Methodology

Project I-1 Air Pollution Modeling

Project Leaders:

US Wiser, Dr. H. L.
Deputy Assistant, Administrator for
Environmental Sciences, EPA

DOI: 12/12/74; 5/20/74

USSR Berlyand, Prof. M. E.
Chief, Atmospheric Pollution Section,
Voeikov Main Geophysical Observatory,
Leningrad

DOI: 12/12/74

Project I-2 Instrumentation and Measurement Methodology

Project Leaders:

US Wiser, Dr. H. L.
Project Leader and Working Group Co-chairman,
Deputy Assistant, Administrator for
Environmental Sciences, EPA

DOI: 12/12/74

USSR Berlyand, Prof. M. E.
Project Leader and Working Group Co-chairman,
Chief of Atmospheric Section, Voeikov Main
Geophysical Observatory, Leningrad

DOI: 12/12/74

2. Stationary Source Air Pollution Control Technology

Working Group Co-Chairmen

Project Leaders:

US Harrington, R. E.
Director, Air Pollution Control Division, EPA

DOI: 12/12/74

USSR Balashov, J. A.
Chief, All Union Gazoochastka Combine,
Ministry of Chemical and Petroleum Engineering

DOI: 12/12/74

Project I-3 Development of Methods and Equipment for Control
 of Emissions from Industrial Sources

(a) Lime/Limestone Scrubbing for Stack Gas Desulfurization

Topic Leaders: Maxwell, M. A. (USA)
Anikeyev, V. A. (USSR)

(b) Development of Magnesium Scrubbing for Stack Gas
Desulfurization

Topic Leaders: Maxwell, M. A. (USA)
Lazerev, V. I. (USSR)

(c) Development of Ammonia Scrubbing for Stack Gas
Desulfurization

Topic Leaders: Maxwell, M. A. (USA)
Lazerev, V. I. (USSR)

(i) Development of Methodology and Establishment of Efficiency of Industrial Dust Collection Equipment for Fine Particulates

Topic Leaders: Craig, A. B. (USA)
Lebedyuk, G. K. (USSR)

(ii) Study of Electrostatic Precipitators

Topic Leaders: Craig, A. B. (USA)
Lebedyuk, G. K. (USSR)

(iii) Methodology for Determining Physical and Chemical Properties of Aerosols

Topic Leaders: Craig, A. B. (USA)
Lebedyuk, G. K. (USSR)

Project I-4 Prevention of Air Pollution by Means of Improving Processes, Including Development of Methods of Fuel Preparation

Demetalization Pretreatment for Hydrodesulfurization of Heavy Residual Oils to Produce Low Sulfur, Low Ash Fuel Oils

Topics Leaders: Janes, T. K. (USA) Fuel Process Section, EPA
Maslennikov, V. M. (USSR) Lab Chief of IVT,
USSR Academy of Sciences

DOI: 12/18/74

3. Transportation Source Air Pollution Control Technology

Project I-5 Transportation Source Air Pollution Control Technology

Project Leaders:

US Stork, E. O.
Deputy Assistant Administrator for Mobile
Source Air Pollution Control, EPA

DOI: 12/12/74

USSR Drozdov, Dr. Yu. N.
Chief, Research Laboratory on Engine Toxicity

DOI: 12/12/74

AREA II -- PREVENTION OF WATER POLLUTION

Working Group Co-chairmen

US	Buckley, Dr. J. Deputy Assistant Administrator, Office of Research and Development, EPA
USSR	Shtepa, B. G. Deputy Minister, Ministry for Reclamation and Water Management

DOI: 12/12/74

Project II-1 Studies and Modeling of River Basin Pollution

Project Leaders:

US	Pisano, M. Director, Water Planning Division, Office of Air and Water Programs, EPA
USSR	Lozanskiy, Dr. V. R. Director, All-Union Scientific Research Institute on Water Protection, Ministry for Reclamation and Water Management

DOI: 12/12/74

Project II-2 Protection and Management of Water Quality of Lakes
and Estuaries

Project Leaders:

US	Davies, Dr. T. T. Director of EPA's Grosse Ile Laboratory and EPA's Large Lake Research Program
USSR	Zenin, Dr. A. A. Director, Hydrochemical Institute of the Main Administration of the Hydrometeorological Service

DOI: 12/12/74

Project II-3 Effects of Pollutants on Aquatic Ecosystems and
Allowable Levels of Pollution

Project Leaders:

US	Mount, Dr. D. Director, EPA Water Quality Laboratory, Duluth
USSR	Butorin, Prof. N. V. Institute of Biology of Inland Waters, USSR Academy of Sciences

DOI: 12/12/74

Project II-4 Prevention of Water Pollution from Industrial and
Municipal Sources

Working Group Co-chairmen

US	Cahill, H. P.
USSR	Shtepa, B. G. Deputy Minister for Reclamation and Water Management

DOI: 12/12/74

Project Leaders:

US	Cahill, H. P. Director Municipal Construction Division, EPA
USSR	Yakovlev, S. V. Director, VODGEO, GOSSTROI

DOI: 12/12/74

AREA III -- PREVENTION OF ENVIRONMENTAL POLLUTION CONNECTED WITH
AGRICULTURAL PRODUCTION

US Chairman - Harris, Dr. C.I.

USSR Correspondent - Churayev, Dr. I. A.

DOI: 4/25/75

Project III-1 Integrated Pest Management

Project Leaders:

US	Tweedy, Dr. B. G. CIBA-GEIGY Corporation
USSR	Churayev, Dr. I. A. Head, Plant Protection Division, Ministry of Agriculture

DOI: 12/12/74

Project III-2 Interreaction Between Forests, Plants and Pollutants

Project Leaders:

US	Krebill, Dr. R. G. Forest Service, US Department of Agriculture
USSR	Molchanov, Alexksander Alexseyevich Director, Forestry Laboratory, USSR Academy of Sciences

DOI: 6/3/75

Project III-3 Effects of Chemicals used in Agriculture on Fauna

Project Leaders:

US	Stickel, Dr. L. Director, Patuxent Wildlife Research Center Department of the Interior, Laurel, Maryland
USSR	Veronova, Dr. L. D. Chief, Department of Pesticides, Central Laboratory for the Protection of Nature, Ministry of Agriculture

DOI: 12/12/74

Project III-4 Forms and Mechanisms by which Pesticides and Chemicals
are Transported

Project Leaders:

US	Duttweiler, Dr. D. W. Director, EPA Southern Environmental Research Laboratory
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USSR Malakhov, Dr. S. G.
 Institute of Experimental Meteorology

DOI: 12/12/74

Overall guidance for Area III -

US - Harris, Dr. C. I.
 US Department of Agriculture

AREA IV -- ENHANCEMENT OF THE URBAN ENVIRONMENT

Working Group Co-chairmen

US Moskow, M. H.
 Assistant Secretary for Policy Development and
 Research, Department of Housing and Urban
 Development

USSR Kudryavtsev, A. O.
 Chief, Department of Urban Planning,
 State Committee for Civil Construction
 and Architecture

DOI: 12/12/74

Project IV-3 Removal and Disposal of Solid Wastes in Urban Areas

USSR Correspondent: Prokhorov, A. N.
 Deputy Director, Academy of Communal
 Economy

DOI: 12/12/74

Project IV-4 Enhancement of Environment in Existing Cities
(Urban Transportation)

Project Leaders:

US Stolz, O.
 Administrator, New Communities Administration,
 HUD (Project IV-1)

Connally, E.
Associate Director, National Park Service
(Project IV-2)

Grey, V.
Senior Staff Officer, Office of Solid
Waste Management, EPA (Project IV-3)

Convisser, M.
Director, Office of Environmental Affairs
Department of Transportation (Project VI-4)

DOI: 12/12/74

AREA V -- PROTECTION OF NATURE AND THE ORGANIZATION OF PRESERVES

Project V-1 Protection of Rare and Endangered Species of Plants
and Animals and Non-Exploited Animals

Project Leaders:

US	Baysinger, E. US Fish and Wildlife Service, Department of the Interior
USSR	Krinitzkiy, Dr. V. V. Main Administration for Protection of Nature, USSR Ministry of Agriculture

DOI: 12/12/74

Project V-2 Protection of Northern Ecosystems

Project Leaders:

US	Skoog, Dr. R. US Fish and Wildlife Service, Department of the Interior
USSR	Denisov, Dr. V Main Administration, USSR Ministry of Agriculture

DOI: 12/12/74

Project V-3 Organization of Preserves

Project Leaders:

US	Sudia, Dr. T. National Park Service, Department of the Interior
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USSR

Krinitzkiy, Dr. V. V.

DOI: 12/12/74

Project V-5 Marine Mammals

Project Leaders:

US

Miller, Dr. R. V.
National Marine Fisheries Service, National
Oceanic and Atmospheric Administration

USSR

Zemskiy, Dr. V. A.
VNIRO

DOI: 12/12/74

Project V-6 Protection of Arid Ecosystems

Project Leaders:

US

Wagner, Dr. Frederic
Assoc. Dean, College of Natural Resources,
Utah State, New Logan, Utah

USSR

Rustamov, Anver. K.
Professor, Director, Turkman Institute,
Ashkhabad

DOI: 7/10/75

AREA V - Chairmen

US

Bohlen, E. U. Curtis
Deputy Assistant Secretary, US Department
of the Interior

USSR

Bogdanov, Dr. B. M.
Chief, Main Conservation Administration,
USSR Ministry of Agriculture
(Except for Project V-5)

DOI: 12/12/74

AREA VI -- PROTECTION OF THE MARINE ENVIRONMENT FROM POLLUTION

Co-chairmen:

US	Sipes, J. D. USCG DOI: 5/22/75
USSR	Dubchak, V. Kh. DOI: 7/8/74

Project VI-1 Prevention of Environmental Pollution During Well Drilling, Production, and Pipeline Transportation of Oil and Gas

Project Leaders:

US	Radlinski, Dr. W. A. Associate Director, US Geological Survey
USSR	Karayev, Dr. A. K. Ministry of Oil Industry DOI: 12/12/74

Project VI-3 Effects of Pollutants on Marine Organisms

Project Leaders:

US	Schneider, Dr. E. Director, National Marine Water Quality Laboratory, EPA
USSR	Simonov, Prof. A. I. Chief, Department of Scientific Basis for Protection and Utilization of Marine Environment, State Oceanographic Institute, Hydrometeorological Service DOI: 12/12/74

AREA VII -- BIOLOGICAL AND GENETIC EFFECTS OF ENVIRONMENTAL POLLUTION

Project VII-1 Biological and Genetic Effects of Pollutants

Project Leaders:

US Rall, Prof. D. P.
Director, National Institute of Environmental
Health Sciences, Department of Health, Education
and Welfare

Khelson, Dr. J. H.
Director, Human Studies Laboratory, EPA

USSR Dubinin, N. P.
Academician; Director, Institute of General
Genetics, USSR Academy of Sciences

DOI: 12/12/74

Project VII-2 Comprehensive Analysis of the Environment

Project Leaders:

US Cortesi, Dr. R.
Director, Washington Environmental Research
Center, EPA

USSR Izrael, Yu. A.
Academician; Chief of Main Administration,
Hydrometeorological Service

DOI: 12/12/74

Project VIII-1 Effects of Changes in the Heat Balance of the
Atmosphere on Climate

Project Leaders:

US Smagorinsky, Dr. J.
Director, Geophysical Fluid Dynamic Laboratory,
National Oceanic and Atmospheric Administration

USSR Budyko, M. I.
Correspondent-Member of the USSR Academy of
Sciences

DOI: 12/12/74

Project VIII-2 Effects of Pollution of the Atmosphere on Climate

Project Leaders:

US	Machta, Dr. L. Air Resources Laboratory, NOAA
USSR	Karol', Dr. I. L. Voeikov Main Geophysical Observatory, Leningrad

DOI: 12/12/74

Project VIII-3 Influence of Solar Activity on Climate

Project Leaders:

US	Wilcox, Prof. J. M. Institute for Plasma Research, Stanford University
USSR	Mustel Academician; Hydrometeorological Center, Moscow

DOI: 12/12/74

Working Group Co-chairmen:

US	Epstein, Dr. E. S. Associate Administrator for Environmental Monitoring and Prediction, NOAA
USSR	Borisenko, Dr. E. P. Director, Voeikov Main Geophysical Observatory, Leningrad

DOI: 12/12/74

AREA IX -- EARTHQUAKE PREDICTION

1. Earthquake Hazard Reduction Program

Project IX-1 Field Research on Earthquake Prediction

Project Leaders:

US	Eaton, Dr. J. P. Chief of Seismology Branch, US Geological Survey
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USSR Nersesov, Dr. I. L.
Deputy Director, Institute of Physics of the
Earth, USSR Academy of Sciences

DOI: 12/12/74

Project IX-2 Laboratory and Theoretical Study of the Physics of
the Earthquake Source

Project Leaders:

US Brace, Dr. W. F.
MIT

USSR Myatchkin, Dr. V. I.
Deputy Chief, Seismology Section, Institute
of Physics of the Earth

DOI: 12/12/74

Project IX-3 Mathematical and Computational Prediction of Locations
of Strong Earthquakes, Seismicity and Estimation of
Seismic Risk

Project Leaders:

US Knopoff, Prof. L.
UCLA

USSR Keilis-Borok, Prof. V. I.
Institute of Physics of the Earth, USSR
Academy of Sciences

DOI: 12/12/74

Project IX-4 Engineering Seismological Studies

Project Leaders:

US Matthiesen, Dr. R. B.
Chief, Seismic Engineering Branch, US
Geological Survey

USSR Negmatullaev, S. Kh.
Director, Institute of Seismically Stable
Construction and Seismology

DOI: 12/12/74

Working Group Co-chairmen:

US	Wallace, Dr. R.E. Chief Scientist, Office of Earthquake Studies, US Geological Survey
USSR	Sadovskiy, Mikhail A. Academician; Director, Institute of Physics

DOI: 12/12/74

Project IX-5 Tsunami Warning System Coordination

Project Leaders:

US	Thompson, Dr. J. NOAA
USSR	Solovyev, S. L. Correspondent-Member of the USSR Academy of Sciences

DOI: 12/12/74

AREA X -- ARCTIC AND SUBARCTIC ECOLOGICAL SYSTEMS (See Areas II, IV, V, and VII)

AREA XI -- LEGAL AND ADMINISTRATIVE MEASURES FOR PROTECTING ENVIRONMENTAL
QUALITY

Project XI-I Legal and Administrative Measures

Project Leaders:

US	Busterud, J. Member of the Council on Environment Quality
USSR	Kolbasov, Dr. O. S. Institute of State and Law

DOI: 12/12/74

Project XI-2 Harmonization of Air and Water Pollution Standards

Project Leaders:

US	Galler, Dr. S. R. Deputy Assistant Secretary for Environmental Affairs, Department of Commerce
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USSR

Krutov, B. V.
Deputy Director, Technical Department,
State Committee on Standards

DOI: 12/12/74